GENERAL MOTORS CORPORATION

EXECUTIVE ORDER A-006-1230 New Passenger Cars, Light-Duty Trucks and Medium-Duty Vehicles

Pursuant to the authority vested in the Air Resources Board by Health and Safety Code (HSC), Div. 26, Part 5, Chap. 2; and pursuant to the authority vested in the undersigned by HSC Sections 39515-39516 and Executive Order G-02-003;

IT IS ORDERED AND RESOLVED: That the following exhaust and evaporative emission control systems produced by the manufacturer are certified as described below. Production vehicles shall be in all material respects the same as those for which certification is granted.

TEST GROUP (PC=passenger car; LDT=light-duty truck; MDV=medium-duty vehicle; LVW=loaded vehicle weight; GVW=gross VW) 2005 5GMXT05.3175 MDV: 5751 - 8500 Pounds ALVW No. EVAPORATIVE 1 SPECIAL FEATURES & Counted as ARB ULEV 1 5GMXR0176820 2 5GMXR0223840 2 5GMXR0223840 2 5GMXR0223840 2 5GMXR0223840 2 5GMXR0223840 2 5GMXR0223840 3	***************************************														
No. EVAPORATIVE FAMILY (EVAF) 1 5GMXR0176820 2 5GMXR0223840 3			TEST GROUP			(F	PC=passenger car; LDT=light-duty truck; MDV=medium-duty vehicle; LVW=joaded	STAN (LEV=low transition	DARD CATEGORY emission vehicle; TLEV al LEV; ULEV=ultra LEV	EVAPORATIVÉ USEFUL LIFE (UL)	FUEL TYPE (CNG/LNG=compressed/ Ilquefied natural gas; LPG=liquefied petroleum gas)				
Mo. FAMILY (EVAF) No. EMISSION CONTROL SYSTEMS (ECS) = not applicable	200	-					MDV: 5751 - 8500 Pounds ALVW				Flexible-Fueled: Gasoline and E85				
1 5GMXR0176820 1 2TWC, 2HO2S(2), SFI, OBD (F) 2 5GMXR0223840 2	No.	EVAPORATIVE No SPECIAL FEATURES &													
2 5GMXR0223840 2 * * * * * * * * * * * * * * * * * *				ILT (EVAF)					OC/TWC=oxidizing/3-way ca	t. ADSTWC=adsorbing TWC					
2 SGMXR0223840 2 SGMXR023840 2 SGMXR0223840 2 SGMXR02238	1				L	1	2TWC, 2HO2S(2),	SFI, OBD (PIACO/PACO-AIR-RUEL PITIO SAN	SOT/Deated ASS ECO					
3	2	5GN	MXR0223840			2	•	•	Tiges recirculation AIR/PAIR=secondary sir injection/						
EVAF ECS ENGINE VEHICLE VEHICLES SUBJECT TO SFTP MAKES & MODELS STANDARDS ARE UNDERLINED ABBREVIATIONS: 1 1 5.3 Chevrolet: C1500 Tahoe 2WD, K1500 Tahoe 4WD, K1500 Tahoe AWD, C1500 Silverado 2WD, K1500 Silverado 4WD, K1500 Yukon AWD, C1500 Sierra 2WD, K1500 Sierra 4WD Cadillas Feoralea 2WD	3		•		8	3			MENOR MUNICIPAL MUNICIPAL INJECTION/Segmental same						
EVAF No. No. SIZE (L) MAKES & MODELS STANDARDS ARE UNDERLINED 1 1 5.3 Chevrolet: C1500 Tahoe 2WD, K1500 Tahoe 4WD, K1500 Tahoe AWD, C1500 Silverado 2WD, K1500 Silverado 4WD, K1500 Silverado 2WD, K1500 Silverado 4WD,	4		•		, –	4				FOAU-Charge air cooler (181) (F) / (P)=fill /soatist sin Line					
No. No. SIZE (L) MAKES & MODELS STANDARDS ARE UNDERLINED 1 1 5.3 Chevrolet: C1500 Tahoe 2WD, K1500 Tahoe 4WD, K1500 Tahoe AWD, C1500 Silverado 2WD, K1500 Silverado 4WD 1 1 5.3 GMC: C1500 Yukon 2WD, K1500 Yukon 4WD, K1500 Yukon 4WD, C1500 Sierra 2WD, K1500 Sierra 4WD Cadillar Fernanda 3WD, C1500 Sierra 2WD, K1500 Sierra 4WD	EVA		E00	ENGU	1		*	diagnostic prefix 2=parallel	(2) suffix=series						
1 1 5.3 Chevrolet: C1500 Tahoe 2WD, K1500 Tahoe 4WD, K1500 Tahoe AWD, C1500 Silverado 2WD, K1500 Silverado 4WD 1 1 5.3 GMC: C1500 Yukon 2WD, K1500 Yukon 4WD, K1500 Yukon AWD, C1500 Sierra 2WD, K1500 Sierra 4WD Cadillar Fersiada 3WD		·													
1 1 5.3 Chevrolet: C1500 Tahoe 2WD, K1500 Tahoe 4WD, K1500 Tahoe AWD, C1500 Silverado 2WD, K1500 Silverado 4WD, K1500 Yukon AWD, C1500 Sierra 2WD, K1500 Sierra 4WD Cadillas Fesalada 2WD, C1500 Sierra 2WD, K1500 Sierra 4WD	110.		140.		-)	ļ									
5.3 Sims: 61505 Tunon 2WD, K1500 Yukon 4WD, K1500 Vierna 2WD, K1500 Sierra 4WD	1		5.3 Chevrolet: C1500 Tahoe 2WD, K1500 Tahoe 4WD, K1500 Tahoe AWD, C1500 Silverede 2WD, K1500 City												
	1	1 5.3				GMC: C1500 Yukon 2WD, K1500 Yukon 4WD, K1500 Yukon AWD, C1500 Silver 300 2WD, K1500 Silver 300 4WD									
2 1 5.3 Chevrolet: C1500 Suburban 2WD, K1500 Suburban 4WD, K1500 Suburban AWD, C4500 Application 1000	2		1 5.3			"	Chevrolet: C1500 Suburban 2WD, K1500 Suburban 4WD, K1500 Suburban AWD, C1500 Avalanche 2WD,								
TOO AVAIGICILE 4VVD. N 1500 SILVERAND AWIT			TVISOO AVAIGIICITE 4VVD. N 1500 AVIVERANO AWIT												
2 1 5.3 GMC: C1500 Yukon XL 2WD, K1500 Yukon XL 4WD, K1500 Yukon XL AWD, K1500 Sierra 4WD	2		1 5.3				GMC: C1500 Yukon XL 2WD, K1500 Yukon XI, 4WD, K1500 Yukon XI, AWD, K1500 Ci.								

The exhaust and evaporative emission standards (STD), as requested by the manufacturer, and certification emission levels (CERT) for the listed vehicles are as follows (compliance with the 50 °F testing requirement (for TLEV, LEV, ULEV, SULEV) may have been met based on the manufacturer's submitted compliance plan in lieu of testing). Any debit in the manufacturer's "NMOG Fleet Average" (PC and LDT) or "Vehicle Equivalent Credit" (MDV) compliance plan shall be equalized as required. (For bi-, dual- or flexible-fueled vehicles, the STD and CERT in parentheses are those applicable to testing on gasoline test fuel.)

	MOG FI ERAGE			@ RAF=* RAF = *	NMOG or	CH4=meth nitrogen	nane NMO	3=non-CH4 maidehyde	organic g PM≖par	as NMHC	=non-Ci	H4 hydroca	irbon CO=	carbon mono	xide NOx	oxides of
CEF	CERT STD		NMOG NMHC CERT CERT		NMHC STD	mg=millig	ram mi=	- (3,,,,,,,	ning loss 000 miles	OU∧√ (ñ	ryanon	dispensed hrenheit]≖on-board	ent factor refueling vap plemental fe	Of recover	/ degram
•		•	[g/mi]	CERT [g/mi]	[g/mi]		[g/mi]		x [g/mi]	Н	CHO [r	ng/mi]		g/mi]	Hwy NC	x [g/mi]
						CERT	STD	CERT	STI		RT	STD	CERT	STD	CERT	STD
*.	12 C. Sec.	@ 50K 0.121 (0.056)		•	(0.195)	1.6 (1.0)	(4.4)	(0.1)		- 1	. 18		•		0.09	0.53
		@ UL	0.135 (0.070)	*	(0.280)	2.1 (1.5)	6.4	0.2	0.6		•	(18) 27	•	-	(0.09) 0.20	(0.53) 0.80
a Nijas	@ 5	0°F & 4K	•	•	T • 1	*	•	10.2/	10.0		•	(27)		-	(0.20)	(0.80)
CO [@ 20 50		LEV	@ 4K (SULE) or 50K (Tie @ UL (Tier 1	r 1, TLEV)		site)	CO (osite)	[g/mi]	+NOx [US06]		O (g/mi) [US06]		HC+NOx ni] [SC03]		[g/mi] C031
ERT					CERT	STD	CERT	STD	CERT	STD	CER	TST	D CER	T STD	CERT	STD
	(3.3)	40	SF	TP @ 4K	*	*	*	•	(0.04)	(0.6)	(0.6) (11.	8) (0.05	(0.44)	(0.6)	(4.0)
STD	(12.5)	10 T	○ SF	TP @ UL	(0.27)	(1.67)	•	•	•	•	(1.4	·		*	(1.4)	(6.4)
D UL			TIVE FAMI	LY 1	EVA	EVAPORATIVE FAMILY 2			EVAPORATIVE FAMILY 3			EVAPORATIVE FAMILY 4			_ ` '	
	3+D	2-D	RL	ORVR	3-0	2-D	RL	ORVR	3-D	2-D	RL	ORV				
ERT	(0.61)	(0.67)	(0.00)	(0.14)	(0.41)	(0.54)		(0.09)	•	•		URV	3-0	2-D	RL	ORVR
OTE	(0.90)	(1.15)	(0.05)	(0.20)	(0.90)		`	(0.20)	•	•		+				-

BE IT FURTHER RESOLVED: That for the listed vehicle models, the manufacturer has attested to compliance with Title 13, California Code of Regulations, (13 CCR) Sections 1965 [emission control labels], 1968.2 [on-board diagnostic, full or partial compliance], 2035 et seq. [emission control warranty], 2235 [fuel tank fill pipes and openings] (gasoline and alcohol fueled vehicles only), and "High-Altitude Requirements" and "Inspection and Maintenance Emission Standards" (California Exhaust Emission Standards and Test Procedures for 2001 and Subsequent Model PC, LDT and MDV).

BE IT FURTHER RESOLVED: That the listed vehicle models are federally certified, and are certified under the provisions of 13 CCR Section 1961(a)(14) and the incorporated test procedures.

Vehicles certified under this Executive Order shall conform to all applicable California emission regulations. The Bureau of Automotive Repair will be notified by copy of this Executive Order.

Executed at El Monte, California on this ______ day of March 2004.

Allen Lyons, Chief

Mobile Source Operations Division